

US PTO Customer No. 25280
IN THE SPECIFICATION

Case No. 5390

At page 27 kindly amend the abstract paragraph as follows:

Improvements in preventing heat- and moisture-shrink problems in specific polypropylene tape fibers are demonstrated herein. are provided. Such fibers are basically manufactured through the initial production of polypropylene films or tubes which are then slit into very thin, though flat (and having very high cross sectional aspect ratios) tape fibers thereafter. Such fibers (and thus the initial films and/or tubes) require the presence of certain compounds that quickly and effectively provide rigidity to the target polypropylene tape fiber after heat setting. Generally, these compounds include any structure that nucleates polymer crystals within the target polypropylene after exposure to sufficient heat to melt the initial pelletized polymer and upon allowing such a melt to cool. The compounds must nucleate polymer crystals at a higher temperature than the target polypropylene without the nucleating agent during cooling. In such a manner, the "rigidifying" nucleator compounds provide nucleation sites for polypropylene crystal growth. Upon slitting of the initial film and/or tube, the fiber is then exposed to sufficient heat to grow the crystalline network, thus holding the fiber in a desired position. The preferred "rigidifying" compounds include dibenzylidene sorbitol based compounds, as well as less preferred compounds, such as sodium benzoate, certain sodium and lithium phosphate salts (such as sodium 2,2'-methylene bis-(4,6-di-tert-butylphenyl)phosphate, otherwise known as NA-11). Such fibers include

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rigidifying nucleating compounds that nucleate polymer crystals within the

target polypropylene after exposure to sufficient heat to melt the initial

pelletized polymer and upon allowing such a melt to cool. Specific

methods of manufacture of such inventive tape fibers, as well as fabric

articles made therefrom, are also encompassed within this invention.